Index of Claims

| Appl | licati | on/C | ontro | l No. |
|------|--------|------|-------|-------|
|------|--------|------|-------|-------|

10/659,680

Applicant(s)/Patent under Reexamination
SUNDERMANN ET AL.

Examiner

Art Unit

Samuel A. Barts

1621

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral)
Cancelled

Restricted

N Non-Elected

Interference

A Appeal
O Objected

| Clá      | Claim Date |                 |          | Cla                   | aim      | Date     |                    |         | 1        | Cla            | aim       |              | Date            |              |                                    |                 |         |          |            |          |              |         |              |                                                   |                 |          |          |
|----------|------------|-----------------|----------|-----------------------|----------|----------|--------------------|---------|----------|----------------|-----------|--------------|-----------------|--------------|------------------------------------|-----------------|---------|----------|------------|----------|--------------|---------|--------------|---------------------------------------------------|-----------------|----------|----------|
|          |            | 2               |          |                       |          |          |                    |         |          |                |           |              |                 |              |                                    |                 |         |          |            |          |              |         | Т            |                                                   | П               | ΠĬ       |          |
| Final    | Original   | 12/28/05        |          |                       |          |          |                    |         | Final    | Original       |           |              |                 | -            | 11                                 |                 |         | Final    | Original   |          |              |         |              |                                                   |                 |          |          |
| 证        | Ę.         | 2               |          |                       |          |          |                    |         | iĒ       | ا ب <u>خ</u> ا |           |              |                 | ŀ            |                                    |                 |         | 证        | Ę          |          |              |         |              |                                                   | H               |          |          |
|          |            |                 | 1        | Щ                     | $\perp$  |          |                    | _       |          |                |           |              |                 | _            | $\perp \perp$                      |                 |         |          |            |          | _            | ┸       | 4            | ļ                                                 | Ш               |          | _        |
| 1_       | 1          | =               |          | $\sqcup$              | $\perp$  |          | 1                  | _       |          | 51             |           | 4            | Ш               | _            | $\perp$                            | _ _             | 4       |          | 101        |          | _            |         | $\bot$       | <u> </u>                                          |                 | _        | _        |
| 2        | 2          | =               |          | $\sqcup$              | _        | _        | 11                 | _       | L        | 52             | $\perp$   | _            | $\sqcup$        | _            | $\perp \! \! \perp \! \! \! \perp$ |                 | 4       | L        | 102        |          | $\dashv$     | ┸       | 4_           | _                                                 |                 | $\dashv$ | _        |
| 3        | 3          | =               | _        | $\vdash \vdash$       | _        | -        | +                  |         |          | 53             | -         | <b>-</b>     | $\sqcup$        | _            |                                    |                 | 4       |          | 103        |          |              | +       | $\bot$       | -                                                 | Ш               | _        | _        |
| 4        | 4          | =               | $\perp$  | $\vdash \vdash$       | -        | ┿        | +                  |         |          | 54             |           | -            | $\vdash$        | +            |                                    |                 | 4       |          | 104        |          |              | +       | +            | -                                                 | Н               | -        | $\dashv$ |
| 5        | 5<br>6     | =               | +        | $\vdash$              | -        | +        | +                  |         | <u> </u> | 55             |           | +            | $\vdash \vdash$ | $\dashv$     | +                                  | -               | -       | -        | 105        | -        | $\dashv$     | +       | +            | +                                                 | $\vdash \vdash$ | -        |          |
| 6<br>7   | 7          | =               | +        | $\vdash \vdash$       |          | +-       | +                  |         | <u> </u> | 56<br>57       | -         |              | $\vdash$        | +            | ╌                                  |                 | 1       |          | 106<br>107 |          |              | +       | +            | ╁                                                 | $\vdash$        | -        | $\dashv$ |
| 8        | 8          | =               |          | $\vdash \vdash$       | +        | +-       | ╁                  | -       |          | 58             | +         | ╁            | $\vdash$        | $\dashv$     | +                                  | -               | 1       | $\vdash$ | 107        |          | $\dashv$     | +       | ┿            | ┼                                                 | $\vdash$        |          | $\dashv$ |
| 9        | 9          | =               | +        |                       | +-       | +-       | +                  | -       | -        | 59             | +         | +            | ╁┼              | ╌┼           |                                    |                 | 1       |          | 109        |          |              | +       | ╁            | $\vdash$                                          | $\vdash$        | $\dashv$ | $\dashv$ |
| 10       | 10         | =               | +-       | $\vdash$              | +        | ╁╌       | ┼╌┼                |         |          | 60             | +         | +            |                 | +            |                                    | -               | 1       |          | 110        | $\dashv$ | $\dashv$     | +       | ┿            | +                                                 | $\vdash$        | $\dashv$ | $\dashv$ |
| 11       | 11         | =               | +        | -                     | +        | +        | ╁┼                 | -       |          | 61             | $\dashv$  | +            | $\vdash$        | +            | $\dashv \dashv$                    | _ -             | 1       |          | 111        |          | $\dashv$     | +       | +            | +                                                 | $\vdash$        | $\dashv$ |          |
| 12       | 12         | =               |          |                       | +        | +        | +                  | -       |          | 62             | $\dashv$  | +-           | $\vdash$        | 十            | +                                  | $\dashv \vdash$ | 1       |          | 112        | -        |              | +       | +            | $\dagger$                                         | H               | $\dashv$ | $\dashv$ |
| 13       | 13         | =               | $\top$   |                       | 十        | +        | ++                 |         |          | 63             |           | $\top$       | $\vdash$        | 十            |                                    |                 | 1       |          | 113        | $\vdash$ | 十            | $\top$  | $\top$       | 十                                                 | $\vdash$        | 7        | ㅓ        |
| 14       | 14         | =               | $\top$   | $\Box$                | $\top$   | T        | +                  | <b></b> |          | 64             | $\top$    | T            | $\Box$          | $\top$       | +                                  | $\top$          | 1       |          | 114        | $\dashv$ | $\top$       | $\top$  | +-           | <del>†                                     </del> | H               | ヿ        | ᅱ        |
| 15       | 15         | =               |          |                       | 十        | 1-       | ++                 | 7       |          | 65             |           | $\top$       |                 | +            | $\dagger \exists \dagger$          | $\dashv$        | 1       |          | 115        |          | 十            | T       | 1            |                                                   | Н               | 寸        | ᅦ        |
| 16       | 16         | =               | $\top$   |                       | 1        | Τ        | 11                 |         |          | 66             |           | 1            | $\sqcap$        |              |                                    | $\neg$          | 1       |          | 116        | $\neg$   | 十            | 7       | 1            | T                                                 | П               |          | ヿ        |
| 17       | 17         | =               |          |                       | 丁        |          | $\perp \uparrow$   |         |          | 67             |           |              |                 |              |                                    | J               | ]       |          | 117        |          |              |         |              |                                                   |                 |          |          |
| 18       | 18         | =               |          |                       |          |          |                    |         |          | 68             |           |              |                 | 1.           |                                    |                 |         |          | 118        |          |              |         |              |                                                   |                 |          |          |
| 19       | 19         | =               |          |                       |          |          |                    |         |          | 69             |           |              |                 |              |                                    |                 |         |          | 119        |          |              |         |              |                                                   |                 |          |          |
| 20       | 20         | =               |          |                       |          |          |                    |         |          | 70             |           |              |                 |              |                                    |                 |         |          | 120        |          |              |         |              |                                                   |                 |          |          |
| 21       | 21         | =               |          | Ш                     | $\perp$  | $\perp$  | $\perp \perp$      |         |          | 71             | $\perp$   |              | Ш               |              |                                    |                 |         |          | 121        | $\Box$   |              | $\perp$ |              |                                                   | Ш               |          | _        |
| 22       | 22         | =               |          |                       | [_       |          |                    | _       |          | 72             |           |              |                 | 4            |                                    |                 |         |          | 122        | _        |              |         | ļ            | 1                                                 |                 | _        | 凵        |
| 23       | 23         | =               |          | $\perp$               | _        | _ _      |                    | _       |          | 73             |           | <u> </u>     | Ш.              | _            | $\perp \perp$                      |                 |         |          | 123        | _        |              | _       | _            |                                                   |                 | _        | _        |
| 24       | 24         | =               | _        |                       |          | <u> </u> | +                  |         |          | 74             | 4         | ┿            | $\vdash \vdash$ | 4            | $\dashv$                           | _ _             |         |          | 124        |          |              | 4       | +            | _                                                 | Ш               | $\dashv$ | _        |
| 25       | 25         | =               | +        | ⊢                     |          | -        | +                  | -       | _        | 75             |           | -            | <del></del>     | -            | +                                  | _               |         |          | 125        |          |              | -       | +            | _                                                 | Н               | $\dashv$ |          |
| 26       | 26         | =               | -        |                       | +        |          | +-+                |         |          | 76             | $\dashv$  | -            | $\vdash$        | -            |                                    |                 | 4       |          | 126        | -        | _            | +       | +            | ╀                                                 | $\vdash$        | $\dashv$ | -        |
| 27<br>28 | 27<br>28   | =               |          | $\vdash$              | +        | +        | +                  |         |          | 77<br>78       | -         | +            | $\vdash$        | +            | +                                  | -               | 1       |          | 127<br>128 | -        |              | +       | +            | ┾                                                 | Н               |          |          |
| 29       | 29         | =               |          | -                     |          | +        | ╁┼                 |         |          | 79             | $\dashv$  | +            |                 | +            | ┤┤                                 | _               | 1       |          | 129        | -        | -            | +       | +            | +                                                 | $\vdash$        | $\dashv$ | _        |
| 30       | 30         | =               | _        |                       | -        | ╁        | +                  |         |          | 80             | -         | +            |                 | +            | +                                  | +               | 1       |          | 130        | $\dashv$ | $\dashv$     | ╁       | +            | ┼-                                                | H               | ᅱ        |          |
| 31       | 31         | =               | +        | +                     | +        | +        | + +                | -       |          | 81             | +         | +            | $\vdash$        | +            | +                                  |                 | 1       |          | 131        | $\dashv$ | $\dashv$     | +       | +-           | ╁                                                 | -               | -        |          |
| 32       | 32         | =               | +        | +                     | +        | +        | ++                 | -       |          | 82             | +         |              | $\vdash$        | +            | +                                  | $\dashv$        | 1       |          | 132        | ᅱ        | +            | +       | +            | $\vdash$                                          | $\forall$       | +        | $\dashv$ |
|          | 33         | $\vdash$        | $\top$   |                       | $\dashv$ | 1        | 11                 | 7       |          | 83             | $\dashv$  |              | $\vdash$        | $\dashv$     | +                                  |                 |         |          | 133        | 一        | $\dashv$     | 十       | 十            | T                                                 | H               | $\dashv$ |          |
|          | 34         | $\sqcap$        | $\top$   | $\top$                | 十        | $\top$   | 11                 | 7       |          | 84             | $\neg$    |              | $\vdash$        | $\top$       | 7                                  |                 | 1       |          | 134        | $\neg$   | $\dashv$     | $\top$  |              | T                                                 | $\Box$          | 7        | $\neg$   |
|          | 35         |                 |          |                       |          | T        | $\perp \uparrow$   |         |          | 85             |           |              |                 |              |                                    |                 | ]       |          | 135        |          |              |         |              |                                                   |                 |          |          |
|          | 36         |                 |          |                       |          | Ι        |                    |         |          | 86             |           | $\mathbb{T}$ |                 |              |                                    |                 | ]:::::  |          | 136        | $\Box$   |              |         | $oxed{oxed}$ |                                                   |                 |          |          |
|          | 37         |                 |          |                       |          | L        |                    |         |          | 87             |           |              |                 | $oxed{\Box}$ |                                    |                 |         |          | 137        |          |              |         | L            |                                                   |                 |          |          |
|          | 38         | Ш               |          |                       |          |          |                    | _       |          | 88             |           |              | Ш               | $\bot$       |                                    |                 |         |          | 138        | $\Box$   | $oxed{oxed}$ | 仜       | $\bot$       | 匚                                                 | Ш               | $\Box$   |          |
|          | 39         | Щ               |          |                       |          |          |                    | 4       |          | 89             |           |              |                 |              | _ <u> </u> _]                      |                 |         |          | 139        | _]       |              |         | 1            | 1                                                 | Ш               | _[       | ]        |
| ļ        | 40         | $\sqcup$        | $\perp$  |                       | $\perp$  | $\bot$   | $\perp \downarrow$ | 4       |          | 90             |           | _            | Ш               | _            | $\bot$                             |                 | J       |          | 140        |          | $\perp$      | $\perp$ | $\perp$      | <u> </u>                                          | Ш               |          |          |
|          | 41         | $\sqcup$        | $\dashv$ | $\sqcup \bot$         | $\perp$  | $\bot$   | $\bot \bot$        | _       |          | 91             | $\perp$   | $\bot$       | Щ               |              | $\dashv$                           |                 |         |          | 141        | ļ        |              | 4       | $\perp$      | $\perp$                                           | Ш               | $\dashv$ |          |
|          | 42         | $\sqcup$        | $\bot$   | $\sqcup \!\!\! \perp$ | $\perp$  | _        | $\bot \bot$        | _       |          | 92             | $\perp$   |              | Щ               | _            | $\dashv$                           |                 |         |          | 142        |          | _            | 4       | 4            | _                                                 | $\sqcup$        | _        | _        |
|          | 43         | $\vdash$        | $\perp$  | $\perp$               | $\bot$   | _        | $\bot \bot$        | _       |          | 93             | $\perp$   | $\bot$       | $\sqcup$        | _            | 44                                 |                 |         |          | 143        | _        | _            | 4       | $\bot$       | $\vdash$                                          | $\sqcup$        | _        | _        |
|          | 44         | $\vdash$        | +        | $\vdash \vdash$       | +        | 4-       | 1-                 | _       |          | 94             |           | 4-           | -               | -            | -                                  | _               |         |          | 144        |          | -            | +       | +            | $\vdash$                                          | $\sqcup$        | _        | 4        |
|          | 45         | $\vdash \vdash$ | +        |                       | 4        | +        | +                  | -       |          | 95             | $ \vdash$ | +            | $\vdash \vdash$ | -            | +                                  | $\dashv$        |         |          | 145        | _        | +            | +       | +            | +                                                 | $\vdash \vdash$ |          | _        |
|          | 46         | $\vdash$        | +        | -                     |          | +        | +                  | -       |          | 96             |           | +-           | $\vdash \vdash$ | +            | +                                  |                 |         |          | 146        |          | -            | +       | +            | $\vdash$                                          | $\vdash$        |          | 4        |
|          | 47         | $\vdash$        | +        |                       | +        |          | ++                 |         | $\vdash$ | 97             | +         | +-           | $\vdash \vdash$ | +            | +                                  | +               |         |          | 147        | $\dashv$ | +            | - -     | +            | $\vdash$                                          | $\dashv$        |          | _        |
|          | 48         | ⊢-              | -        | +                     | +        | +        | ╁┼                 | -       |          | 98             |           | +            | $\vdash \vdash$ | +            | +                                  | -               |         |          | 148        | $\dashv$ | +            | +       | +            | $\vdash$                                          | $\vdash \vdash$ | $\dashv$ | 긕        |
|          | 49<br>50   | $\vdash$        | +        | $\vdash$              | +        | +        | ++                 | -       |          | 99             | $\dashv$  | +            | $\vdash \vdash$ | +            |                                    | +-              |         |          | 149        |          | -            | +       | +            | $\vdash$                                          | $\vdash$        | $\dashv$ | $\dashv$ |
|          | οU         | oxdot           |          |                       | 上        |          | $\perp \perp$      | :::::   |          | 100            |           |              |                 |              | _11                                |                 | ]:::::: | L        | 150        |          |              | 1       |              | 1                                                 |                 | 1        |          |